

Third National Forum on Biomedical Imaging in Oncology
January 31 – February 1, 2002
Hyatt Arlington -- Arlington, Virginia

Presented by: National Cancer Institute, Food and Drug Administration, Centers for Medicare and Medicaid Services (formerly HCFA)

Co-sponsored by: National Electrical Manufacturers Association

Program

January 31

- 7:30 am **Continental Breakfast - Ballroom Foyer**
- 8:30 am **Introduction/Objectives**
Ellen Feigal, M.D., Acting Director, Division of Cancer Treatment and Diagnosis (DCTD), National Cancer Institute (NCI)
- 8:35 am **Introductory Remarks From Industry**
Morgan Nields, Chairman of the Board, Fischer Imaging Corporation
- 8:40 am–10:00 am **Forum Issues: Updates**
- 8:40 am **Food and Drug Administration (FDA)**
Patricia Keegan, M.D., Deputy Director, Division of Clinical Trial Design and Analysis, Center for Biologics Evaluation and Research (CBER), FDA
Patricia Love, M.D., M.B.A., Director, Division of Medical Imaging and Radiopharmaceutical Drug Products (DMIRDP), Center for Drug Evaluation and Research (CDER), FDA
David Feigal, M.D., M.P.H., Director, Center for Devices and Radiological Health, (CDRH), FDA
- 9:05 am **Centers for Medicare and Medicaid Services (CMS)**
Sean Tunis, M.D., M.Sc., Director, Coverage and Analysis Group, CMS
- 9:25 am **National Cancer Institute (NCI)**
Ellen Feigal, M.D., Acting Director, DCTD, NCI
- 9:35 am **Question and Answer Session**
- 9:55 am **Break**
- 10:15 am–12:45 pm **Molecular Targets: Taking Imaging Probes Into the Clinic**
- 10:15 am **The Needs, Problems, and Challenges**
Robert Wittes, M.D., Deputy Director for Extramural Science, NCI
- 10:35 am **Industry Perspective: STI-571 and VEGF**
Bruno Morgan, M.A., M.R.C.P., F.R.C.R., Senior Lecturer and Consultant Radiologist, University Hospital Leicester
Patricia Cole, M.D., Ph.D., Clinical Pharmacology Expert, Novartis Pharmaceuticals Corporation

10:55 am	Imaging Cell Death in Untreated and Treated Human Tumors With Tc-99m Annexin V Neil Steinmetz, M.D., J.D., Vice President and Medical Director, Theseus Imaging
11:15 am	Remarks From New NCI Director Andrew C. von Eschenbach, M.D., Director, National Cancer Institute
11:20 am	NCI Initiatives: Resources for Molecular Imaging Development Daniel Sullivan, M.D., Associate Director, Biomedical Imaging Program, DCTD, NCI
11:35 am	Panel - Clinical Development: Addressing the Challenges Moderator: Neil Steinmetz, M.D., J.D., Vice President and Medical Director, Theseus Imaging Panelists: Francis Blankenberg, M.D., Associate Professor of Radiology and Pediatrics, Stanford University School of Medicine; R.K. Leedham, M.S., B.C.N.P., Associate Director for Regulatory Program Policy, DMIRDP, CDER, FDA; David Parkinson, M.D., Vice President, Oncology Therapeutics, Novartis AG; David Samson, B.A., Associate Director, Technology Evaluation Center, Blue Cross and Blue Shield Association; Sean Tunis, M.D., M.Sc., Director, Coverage and Analysis Group, CMS
12:45 pm	Lunch - Ballroom Foyer
1:45 pm	Molecular Markers and Magnetic Resonance Imaging Orhan Nalcioğlu, Ph.D., Director, John Tu and Thomas Yuen Center for Functional Onco-Imaging, University of California, Irvine
2:05 pm-5:00 pm	Preclinical Development of Imaging Probes
2:05 pm	Overview of Probe Development: The Steps Alexei Bogdanov, Ph.D., Associate Professor of Radiology, Center for Molecular Imaging Research, Massachusetts General Hospital, Harvard University
2:25 pm	Industry Perspective: Use of Imaging Probes in the Evaluation of Pharmaceuticals – Decision Points in Development Raymond Gibson, Ph.D., Senior Investigator, Merck Research Laboratories
2:45 pm	Break
3:00 pm	Dual Imaging Probes Darryl Bornhop, Ph.D., Associate Professor of Chemistry and Biochemistry, Texas Tech University and Southwest Cancer Center
3:30 pm	NCI Integrative Mouse/Human Imaging Strategy Cheryl Marks, Ph.D., Associate Director, Division of Cancer Biology, NCI
3:35 pm	Panel – Preclinical Development: Addressing the Challenges Moderator: Raymond Gibson, Ph.D., Senior Investigator, Merck Research Laboratories Panelists: Alexei Bogdanov, Ph.D., Associate Professor of Radiology, Center for Molecular Imaging Research, Massachusetts General Hospital, Harvard University; Darryl Bornhop, Ph.D., Associate Professor of Chemistry and Biochemistry, Texas Tech University and Southwest Cancer Center; Patricia Keegan, M.D., Deputy Director, Division of Clinical Trial Design and Analysis, CDER, FDA; Teresa McShane, Ph.D., D.V.M., Clinical Technology, Pfizer Global Research and Development; Nakissa Sadrieh, Ph.D., Pharmacology-Toxicology Team Leader, DMIRDP, CDER, FDA
5:30 pm	Reception - Ballroom Foyer

February 1

- 7:30 am **Continental Breakfast**
Ballroom Foyer
- 8:00 am **Imaging Devices: The Needs, Problems and Challenges**
Michael Vannier, M.D., Department Head and Professor, Radiology Department,
University of Iowa Hospitals and Clinics
- 8:20 am **Comparison of Modalities for Imaging Angiogenesis**
Katherine Ferrara, Ph.D., Professor and Chair, Department of Biomedical Engineering,
University of California, Davis
- 8:40 am **Current In Vitro Imaging Capabilities**
Steven Colson, Ph.D., Associate Director, Pacific Northwest National Laboratory
- 9:00 am **Optical Imaging**
Alexei Bogdanov, Ph.D., Associate Professor of Radiology, Center for Molecular
Imaging Research, Massachusetts General Hospital, Harvard University
- 9:20 am **Magnetic Resonance Spectroscopy**
Jeffrey Evelhoch, Ph.D., Professor of Internal Medicine and Radiology, Wayne State
University
- 9:40 am **Questions and Answers**
- 10:00 am **Break**
- 10:20 am **Hybrid Machines – CT/PET**
Jeffrey Yap, Ph.D., Assistant Professor of Radiology, University of Pittsburgh
- 10:40 am **Imaging Guiding Radiation Planning and Treatment**
C. Clifton Ling, Ph.D., Attending Physicist and Enid Haupt Chair, Department of
Medical Physics, Memorial Sloan-Kettering Cancer Center
- 11:00 am **Questions and Answers**
- 11:15 am **Panel – Devices: Addressing the Challenges**
Moderator: Morgan Nields, Chairman and CEO, Fischer Imaging Corporation
Panelists: Norman Coleman, M.D., Associate Director, Radiation Oncology Sciences
Program, DCTD, NCI; Michael Graham, M.D., Ph.D., Director of Nuclear Medicine,
University of Iowa; Michael Knopp, M.D., Ph.D., Professor of Radiology, Novartis
Chair and Director of Imaging Research, Ohio State University; R.K. Leedham, M.S.,
B.C.N.P., Associate Director for Regulatory Program Policy, DMIRDP, CDER, FDA;
Robert McDonough, M.D., J.D., M.P.P.S., Senior Technology Consultant, Medical
Director, Clinical Policy and Guidelines Unit, Aetna US Healthcare; William McPhee,
Managing General Partner, Medical Imaging Innovation and Investments L.P.; Robert
Phillips, Ph.D. Radiology Branch Chief, CDRH, FDA; Vilim Simcic, Ph.D., Vice
President, Product Management and Clinical Collaboration, Siemens Medical Solutions
USA, Inc.
- 12:30 pm **Summary**
Michael Knopp, M.D., Ph.D., Professor of Radiology, Novartis Chair and Director of
Imaging Research, Ohio State University
- 12:45 pm **Adjourn**